

7.2 Saran

1. Berdasarkan hasil penelitian yang telah dilakukan maka untuk mendapatkan hasil yang komprehensif diperlukan penelitian lebih lanjut tentang keterlibatan *cytokine* dan *growth factor* yang lain dalam perannya memperbaiki *microenvironment* sehingga dapat menurunkan apoptosis dan meningkatkan jumlah sel ganglion retina pasca transplantasi sel punca mesenkimal sumsum tulang prakondisi hipoksia pada model hewan glaukoma akut.
2. Diperlukan penelitian lanjutan untuk mengetahui sumber terbaik dari sel punca mesenkimal yang mudah didapat dan tidak invasif untuk terapi glaukoma pada saat penerapan di klinik.
3. Diperlukan penelitian lanjutan untuk mengetahui tehnik transplantasi terbaik melalui beberapa tehnik yang bisa dilakukan diantaranya intra vitreal, subretina, intravena atau di nervus opticusnya.
4. Diperlukan penelitian lanjutan untuk mengetahui dosis optimal terhadap perbaikan sel ganglion retina dan pengulangan pemberian sel punca mesenkimal.

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